MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER, 1936

J. A. BROWN, DIRECTOR

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OCTOBER 1936
METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.9	60.1	59.4	60.5	29.2	20.5	25.7	28.4	23.2	25.8
2	59.7	59.1	9.6	59.5	29.0	20.6	26.1	28.7	23.1	26.0
3	9.7	9.0	9.6	9.4	29.0	21.1	25.0	28.3	22.9	25.4
4	8.6	6.8	6.5	7.3	31.1	20.9	26.2	29.5	24.2	26.6
5	6.9	8.8	9.8	8.5	29.0	20.1	27.2	26.0	22.6	25.3
6	62.2	62.2	63.5	62.6	26.3	19.1	24.1	26.0	20.7	23.6
7	1.7	3.8	3.6	3.0	26.2	19.1	23.4	25.1	22.8	23.8
8	2.4	1.3	1.2	1.6	27.1	19.1	24.4	25.7	22.9	24.3
9	59.8	59.6	59.8	59.7	30.3	21.5	27.1	27.5	23.9	26.2
10	62.3	61.8	62.2	62.1	28.1	19.7	25.6	27.6	22 8	25.3
11	62.3	61.1	61.6	61.7	27.4	20.6	23.1	27.1	21.8	24.0
12	2.2	1.1	1.7	1.7	27.1	19.9	24.9	26.1	22.2	24.5
13	2.4	2.2	2.0	2.2	27.4	20.2	24.6	26.8	21.2	24.2
14	2.3	0.7	2.1	1.7	28.5	19.7	24.6	28.7	23.5	25.6
15	3.1	2.4	3.3	2.9	29.8	20.7	26.1	28.8	24.7	25.6
16	62.2	61.4	61.6	61.7	33.6	21.9	27.4	32.2	25.6	28.4
17	2.1	1.2	1.1	1.5	27.9	21.2	25.5	27.3	22.5	25.1
18	1.1	0.0	0.0	0.4	27.5	20.2	24.3	27.2	21.9	24.5
19	0.4	59.8	59.9	0.0	27.2	21.1	23.1	25.5	23.7	24 1
20	0.3	9.4	60.3	0.0	28.0	20.9	25.3	27.5	23 0	25.3
21	62.7	61.6	62.0	62.1	28.3	22.1	24.8	27.3	23.1	25.1
22	1.4	1.0	1.1	1.2	28.4	20.6	26.9	26.6	24.2	25.9
23	2.0	0.9	1.0	1.3	28.7	20.8	25.3	26.8	22.5	24.9
24	0.6	59.8	0.8	0.4	27.2	20.3	25.2	26.6	22.9	24.9
25	2.8	62.0	3.1	2.6	26.7	20.0	25.2	26.2	21.8	24 4
26	63.0	61.7	61.6	62.1	26.1	20.0	23.7	24.5	23.2	23.8
27	1.3	0.9	1.5	1.2	26.7	21.3	24.8	25.4	23 4	24.4
28	1.0	0.2	0.7	0.6	27.2	19.7	24.8	26.7	23.7	25.1
29	2.6	2.6	3.5	2.9	27.7	20.7	24.8	26 5	23.1	24.8
30	3.5	1.7	1.5	2.2	27.4	20 6	23 8	26.6	22.8	24.4
31	1.6	0.5	0.8	1.0	26.2	19.7	23.9	25.1	21.7	23.6
	761.50	760.80	761.18	761.15	28.07	20.45	25.06	27.24	22.95	24.99

Barometer, range for month 756.5 mm.–763.6 mm.
,, 50-yr. average for month 761.473 mm.
Thermometer, Range for month 19.1° C.—33.6° C.
,, 50-yr. average for month 24.48° C.
Rain, total for month 17.51 mm.
,, , 50-yr. average for month 52.58 mm.
,, , total, Sept. 1st to end of month 25.226 mm.
50-yr. average, Sept. 1st to end of month 59.95 mm.

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	22.1	24.4	22.2	16.9	19.4	19.1	18.5	69	68	90	76	10.7	
2	22.2	24.5	22.4	16.9	19.3	19.6	18.6	67	64	93	75	9.9	
3	22.1	24.3	22.2	18.8	19.3	19.3	19.1	80	67	93	80	10.2	
4	23.3	23.5	22.6	18.8	17.0	19.0	18.3	74	56	85	72	10.2	
5	23.0	23.4	19.1	17.6	19.2	14.0	16.9	66	77	69	71	6.4	6.910
6	19.4	21.2	19.3	13.6	15.3	15.6	14.8	61	61	86	69	7.3	7.752
7	19.3	19.2	19.0	13.7	12.8	13.7	13.4	65	55	67	62	10.6	
8	19.4	21.1	21.7	13.4	15.2	18.2	15.6	59	62	87	69	10.8	
9	20.1	23.7	18.3	12.9	18.7	12.1	14.6	48	69	55	57	10.6	
10	22.1	22.9	20.2	17.0	17.1	15.7	16.6	70	63	76	70	10.5	
11	19.3	21.2	19.8	14.1	14.7	15.7	14.8	68	55	80	68	8.7	
12	22.8	21.3	20.2	18.8	15.3	16.0	16.7	80	60	81	74	9.8	
13	20.7	22.4	20.1	15.4	16.8	16.7	16.3	67	64	88	73	9.0	
14	21.5	22.0	20.5	16.6	14.9	15.7	15.7	72	51	73	65	4.0	
15	19.6	22.3	18.8	12.8	15.3	12.4	13.5	51	51	54	52	7.6	
16	20.4	22.9	18.7	13.3	14.5	11.9	13.2	48	41	49	46	2.3	
17	21.1	23.2	21.2	15.4	17.9	17.6	17.0	63	66	87	72	9.5	
18	21.3	23.8	21.5	16.5	19.2	18.8	18.2	74	72	96	81	7.0	
19	21.6	21.9	22.2	18.0	16.9	18.7	17.9	86	69	85	80	9.5	
20	21.8	24.1	22.7	16.7	19.3	20.3	18.8	70	70	97	79	9.4	
21	23.6	23.7	20.9	20.6	19.3	16.7	18.9	88	73	80	80	8.8	
22	22.9	23.2	23.4	17.6	18.3	20.7	18.9	67	70	92	76	9.3	
23	20.7	23.9	21.3	15.0	19.7	17.9	17.5	62	75	88	75	8.7	
24	20.9	22.8	21.1	15.4	17.7	17.1	16.7	64	67	83	71	7.9	
25	20.5	21.6	20.1	15.0	15.8	16.6	15.8	66	62	88	72	7.2	
26	20.4	21.6	20.7	15.4	16.9	16.3	16.2	69	75	77	74	5.2	
27	22.8	20.7	24.4	19.0	14.9	13.2	15.7	81	61	62	68	0.0	
28	20.4	21.7	21.1	14.8	15.5	16.5	15.6	65	59	76	67	4.8	
29	20.1	22.3	21.9	14.2	16.8	18.6	16.5	60	65	89	71	6.1	2.489
30	21.2	22.4	21.2	16.7	16.9	17.5	17.0	75	65	85	75	9.7	
31	21.4	22.2	19.9	17.1	17.6	15.9	16.9	77	75	83	78	9.6	
				16.06	17.02	16.68	16.59	68.13	64.13	81.42	70.90	8.11	0.553

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Kms.		
1	0	0	0	0.0	0	2n	1n	94.6	calm	thin mist a.m.
2	0	0	0	0.0	0	2sw	0	75.9	„	„ „ „
3	2cu	2st	0	1.3	1sw	3n	0	97.7	„	„ „ „
4	4stcu	0	2cu	2.0	2ne	2sw	0	106.1	„	„ „ „
5	7stcu	5cu	6ni	6.0	4sw	2s	6sw	314.1	mod.	
6	9nicu	3cu	6ni	6.0	1ne	2se	1se	187.8	rough	
7	2cu	0	2cu	1.3	1n	4n	6ne	333.2	mod.	
8	0	0	0	0.0	1n	2n	1n	342.0	slight	
9	0	0	0	0.0	1sw	2n	1n	96.8	calm	
10	2cu	1cu	4cu	2.3	1n	3sw	1sw	148.5	„	
11	4st	3st	7stcu	4.7	2sw	3sw	1sw	106.2	slight	thin mist p.m.
12	4stcu	7cu	8stcu	6.3	1n	2n	1n	104.0	calm	„ „ a.m.
13	4st	2st	0	2.0	1n	1n	0	42.1	„	
14	9cu	1st	0	3.3	0	1n	0	118.0	„	„ „ a.m.
15	8stci	2st	0	2.0	0	0	1ne	54.9	„	„ „ „
16	8ci	9ci	0	5.7	1n	0	1ne	61.9	„	„ „
17	1st	1st	0	0.7	0	1n	0	52.1	„	
18	4stcu	3stcu	0	2.3	4e	2sw	0	327.3	„	a.m.
19	0	0	0	0.0	0	1ne	1n	103.6	slight	heavy d. thin mist
20	0	0	0	0.0	0	1sw	1ne	83.7	„	
21	1st	0	0	0.3	0	1n	0	109.4	mod.	a.m.
22	3cu	0	0	1.0	0	0	0	75.1	slight	heavy d. thin mist
23	2st	2st	0	1.3	0	0	0	81.0	calm	
24	1st	0	0	0.3	2sw	3sw	2se	357.2	slight	
25	3cu	3cu	0	2.0	3sw	2sw	0	276.2	„	
26	8cist	5cu	8cu	7.0	0	3ne	3n	228.4	„	
27	5cist	3ci	8ci	5.3	1ne	1n	4n	557.7	„	thin mist a.m.
28	4cicu	6cicu	10cicu	6.7	2n	0	0	237.6	„	
29	9cu	4stcu	2cu	5.0	1sw	1w	1sw	279.4	calm	
30	2cu	0	0	0.7	0	0	0	152.9	slight	„ „ a.m.&p.m.
31	0	0	0	0.0	0	1ne	0	77.1	calm	
				2.44	1.6	1.5	1.1	170.4		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	6	3	1	0	0	8	0	0	13	31
14:30	11	3	0	1	1	8	1	0	6	31
20:30	7	4	0	2	0	3	1	0	14	31
Totals	24	10	1	3	1	19	2	0	33	93

Number of days with rain 3, fog 0, thunderstorms 0, gale 0.

50-yr. average number of days with rain during month 3.5